RU2183910

ENGLISH ABSTRACT

(11) Number of the patent document **2183910**
(13) Kind of document **C2**
(14) Document date **2002.06.20**
(19) Publishing country or organization **RU**
(21) Application number registered **2000113220/09**
(22) Application filing date **1999.09.29**
(24) Date started of validity of the patent **1999.09.29**
(31) Priority application number **1998/40507**
(32) Date of filing of priority application **1998.09.29**
(33) Alloting country or organization **KR**
(45) Date **2002.06.20**
(516) Edition of IPC **7**
(51) Main classification IPC **H04J13/02**
(51) Main classification IPC **H04B1/69**
(51) Main classification IPC **H04B1/707**

Title
DEVICE AND METHOD FOR GENERATING EXTENDING CODE AND FOR CHANNEL-SIGNAL SPECTRUM EXTENSION USING EXTENDING CODE IN CODE-DIVISION MULTIPLE ACCESS COMMUNICATION SYSTEM

(71) Applicant information **SAMSUNG EhLEKTRONIKS KO., LTD. (KR)**
(72) Inventor information **KIM Dze-Voo (KR)**
(72) Inventor information **VOO Dzung-Khio (KR)**
(72) Inventor information **PARK Chang-Soo (KR)**
 (72) Inventor information **AKhN Dzae-Min (KR)**
(73) Grantee (asignee) information **SAMSUNG EhLEKTRONIKS KO., LTD. (KR)**
(74) Attorney, agent, representative information **Emel'janov Evgenij Ivanovich**
(85) PCT date art. 22/39 **2000.05.26**
(86) PCT or regional filing information **KR 99/00590 (29.09.1999)**
(87) PCT or regional filing information (publ.) **WO 00/19732 (06.04.2000)**
Mail address **129010, Moskva, ul. Bol'shaja Spasskaja, 25, str.3, OOO "Juridicheskaja firma Gorodisskij i Partnery", E.I.Emel'janovu**

ABSTRACT

FIELD: mobile code-division multiple access communication systems. SUBSTANCE: device has pseudonoise (PN) code sequence generator for shaping PN_i and PN_q sequences; orthogonal code generator affording change of differential phase keying phase with intervals of at least two code items; and generator shaping extending codes C_i and C_q by mixing up (221, 223, 224) C_i and C_q code sequences with first and second orthogonal codes so that current phase of extending codes PN_i and PN_q changes in turn state of quadrature phase keying and differential phase keying with respect to preceding phase of extending codes C_i and C_q. EFFECT: reduced maximal-to- medium power ratio without impairing bit error rate characteristic. 27 cl, 22 dwg